Students electing this degree program through participating programs earn a degree with a dual-title in the Ph.D., e.g., Ph.D. in (graduate program name) and Biogeochemistry.

The following graduate programs offer dual-title Ph.D. degrees in Biogeochemistry:

- Biochemistry, Microbiology, and Molecular Biology
- Chemistry
- Ecology
- Environmental Engineering (ENV_E)
- Geosciences
- Materials Science and Engineering
- Plant Pathology
- Soil Science

The Biogeochemistry dual-title degree program is administered by the Department of Geosciences with support from the Department of Ecosystem Science and Management for the participating graduate programs. A program committee with representatives from participating departments maintains program definition, identifies courses appropriate to the program, and recommends policy and procedures for the program's operation to the dean of the Graduate School and to the deans of the participating colleges.

The dual-title degree program is offered through participating programs in the College of Earth and Mineral Sciences, College of Agricultural Sciences, College of Engineering, Eberly College of Science, and the Intercollege Graduate Degree Programs.

The program enables students from several graduate programs to gain the perspectives, techniques, and methodologies of Biogeochemistry, while maintaining a close association with major program areas of study.